With every new digital device, connected car, and mobile wallet, the risks are increasing and the need for cybersecurity professionals is now greater than ever. Yet, there is a significant shortage of qualified candidates prepared to fill these roles – an estimated 500,000 to 1 million jobs remain unfilled in the U.S. alone. This gap is expected to grow to a staggering 1.5 million by 2020.

“81% of internet crimes involving children that resulted in a face-to-face meeting, involved social media.”

*Journal of Adolescent Health* 27, 2010

“Wi-fi enabled vehicles are at risk of being hacked allowing a third party to take control of brakes, disable the engine, or even track the vehicle’s location.”

*Unknown*

“I think everybody in this country should learn how to program a computer because it teaches you how to think.”

*Steve Jobs*

### Emerging Cyber Careers:
- Computer Crime Investigator
- Disaster Recovery Analyst
- Forensics Expert
- Intrusion Detection Specialist
- Virus Technician
- Security Analyst
- Network Security Engineer
- Cryptographer
- Cryptanalyst
- Security Systems Developer
- Chief Information Security Officer

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**Source:** Data on current Virginia employment and median wage come from Bureau of Labor Statistics May 2014 data, available at [www.bls.gov/emp/#data](http://www.bls.gov/emp/#data)

National employment estimates (2014) and projections (2024), as well as example job titles, come from Bureau of Labor Statistics Occupational Projections Data, released on December 8, 2015, and available at [www.bls.gov/emp/#data](http://www.bls.gov/emp/#data)